

## SPECIFICATION

At page 50, after line 5, please insert the following new paragraphs:

Described herein is a computer program product comprising a computer usable medium having computer readable program code means embodied therein for enabling a computer to serve as a client manager in a server cluster, the program product comprising computer readable code means for enabling the computer:

- to establish a connection to a message client,
- to communicate with at least one message manager nodes with means for storing messages and at least one destination across a multicast communication channel
- to receive a message from said message client, and
- depending on the content of said message, to transmit message data across said multicast communication to at least one of said message manager nodes, said message comprising a destination information addressing a destination,

further comprising computer readable code means for enabling the computer:

- to receive message data containing a client information from a message manager node, and
- to transmit, depending on the content of said message data, a message to the message client addressed by said message data.

Also described herein is a computer program product comprising a computer usable medium having computer readable program code means embodied therein for enabling a computer to serve as a message manager node in a server cluster, the program product comprising computer readable code means for enabling the computer:

- to communicate with at least one client manager across a multicast communication channel,
- to receive message data from said client manager node, said message data comprising a destination information addressing a destination,
- depending on the destination information, to store said message data, to maintain a list of client subscriptions, and
- to compare the list of client subscriptions to available messages, and, when there is a match, for transmitting message information with a client information to a client server across said multicast communication channel.